

ABSTRACT OF THE INVENTION

An apparatus is provided which includes an inertia wheel rigidly attached to a center axle, such that the wheel and axle adapted to unitarily rotate about a center axis. An axle support is adapted to rotatably support the center axle such that the inertia wheel and center axle may freely spin about the center axis. A generally planar leftside cam supporting structure is laterally positioned from the leftside of the inertia wheel such that the leftside cam supporting structure and the inertia wheel are evenly spaced from each other in a parallel manner. The leftside cam supporting structure includes a leftside inverse cam. Also, generally planar rightside cam supporting structure is laterally positioned from the rightside of the inertia wheel such that the rightside cam supporting structure and the inertia wheel are evenly spaced from each other in a parallel manner. The rightside cam supporting structure also includes a rightside inverse cam. A plurality of transfer follower arm assemblies are further provided interconnecting the leftside and rightside of the inertia wheel to the leftside and rightside cam supporting structure. Rotational movement of the inertia wheel is at least one of conditioned, controlled, regulated, governed and influenced as a function of a profile of the leftside and rightside cam.